

RESOLUTION NO. A-_____

1 WHEREAS, the City of Lincoln has previously adopted the City of Lincoln Drainage
2 Criteria Manual by Resolution No. A-80038; and

3 WHEREAS, a text change to the Drainage Criteria Manual is necessary to amend
4 Chapter 1, Section 1.5.6, Flood Corridor Management, Section 1.5.7, NPDES Construction Site
5 Activities; and Appendix 1-C, Glossary of Key Terms; and to add Chapter 10 – Flood Design
6 Criteria.

7 NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Lincoln,
8 Nebraska:

9 That Chapter 1 of the Drainage Criteria Manual, adopted by the City Council on
10 February 22, 2002 by Resolution No. A-80038, be and the same is hereby amended as follows:

11 1. Section 1.5.6 “Flood Corridor Management” is amended to read as follows:

12 **1.5.6 Flood Corridor Management**

13 In all watersheds within the Existing Urban Area where a FEMA mapped
14 floodway floodplain has not been delineated, development shall preserve a corridor
15 in channels which drain greater than 150 acres. In all watersheds within New Growth
16 Areas, development shall preserve a corridor in all channels which drain greater than
17 150 acres or have a defined bed and bank. ~~with a minimum width equal to the~~
18 channel bottom width, plus 60 feet, plus six times the channel depth.

19 The width of minimum flood corridors shall be equal to the channel bottom
20 width, plus 60 feet, plus six times the channel depth, and the corridor shall be
21 centered on the channel or aligned such that the corridor follows the natural flow of
22 flood waters. For streams with a defined bed and bank which drain 26 to 150 acres,
23 the width of minimum flood corridors shall be equal to the channel bottom width,
24 plus six times the channel depth, plus:

- i. 40 feet, for channels draining 101 to 150 acres;
- ii. 20 feet, for channels draining 51 to 100 acres;
- iii. 10 feet, for channels draining 26 to 50 acres.

The corridor ~~width~~ will be centered on the channel or aligned such that the corridor follows the natural flow of floodwaters. ~~and be delineated along all channels with drainage areas exceeding 150 acres.~~ Riparian vegetation and the existing grade within the identified flood corridors shall be preserved or enhanced to the maximum extent practicable, or mitigated during the development planning and construction processes when impacted by allowable encroachments. Individual areas of ~~Encroachments of the riparian vegetation and encroachments of fill into the existing~~ grade will be permitted for operation, maintenance and repair, channel improvements, stormwater storage facilities, and, utility crossings. Individual areas of encroachment may also be permitted for ~~public~~ parks, pedestrian/bike trails, ~~and other recreational uses, and public purposes, provided the encroachments are minimal and the uses are generally consistent with the purpose of the corridor.~~

Sequencing and mitigation for encroachments into Minimum Flood Corridors is required as described in Chapter 2.05 of the Design Standards and Chapter 10 of this manual.

Flood corridors delineated during development of land shall be legally described and recorded.

Through the watershed master planning process, develop approximate 100-year projected future conditions flood profiles for mainstem and tributary channel corridors that are between the limits of detailed study by FIS and the boundary of the uppermost 150-acre sub-basin(s). Once the master plan flood profiles have been accepted by the City, regulate new development along the channel areas so the lowest opening in new buildings is protected from the flood profile.

1 In watersheds where FIS floodplains have not been delineated and where
2 flood prone areas have not yet been determined through the watershed master
3 planning process, regulate new development so the lowest opening of adjacent new
4 buildings is protected to one foot above the calculated 100-year flood profile.

5 ~~Regulate new development so it does not occur within minimum corridors.~~
6 ~~Riparian vegetation within the identified flood corridors shall be preserved to the~~
7 ~~maximum extent practicable, or acceptably mitigated, during the development~~
8 ~~planning and construction processes. Encroachments of the riparian vegetation will~~
9 ~~be permitted to provide for OM&R, channel improvements, public parks,~~
10 ~~pedestrian/bike trails, other recreational uses, utility crossings, streets and driveways,~~
11 ~~and other public purposes.~~

12 ~~Flood corridors delineated during development of land shall be legally~~
13 ~~described and recorded.~~

14 2. Section 1.5.7 "NPDES Construction Site Activities" is amended to read as
15 follows:

16 **1.5.7 NPDES Construction Site Activities**

17 A NPDES "notice of intent" and a Stormwater Pollution Prevention Plan
18 (SWPPP) shall be required before land disturbance or vegetation removal activities
19 occur on any site greater than ~~2.0 acres~~ or equal to 1.0 acre in size. The structural
20 and non-structural best management practices (BMPs) are recommended to address
21 stormwater quality enhancement. The SWPPP shall be prepared by a designated
22 erosion control designer. A designated erosion control designer shall be a; licensed
23 professional engineer, architect or landscape architect; a professional in Erosion and
24 Sediment Control, certified by the Soil and Water Conservation Society; or a person
25 with similar erosion and sediment control training and knowledge certified by a
26 nationally recognized erosion and sediment control association. As one condition of
27 approval, a construction schedule shall be included which indicates installation of as

1 many of the proposed BMPs as are feasible before any land disturbing activity is
2 conducted, including site grubbing. The schedule will also indicate a plan to limit
3 the duration of exposure of disturbed land.

4 Contractors and developers shall contact the City on the business day prior
5 to performing land disturbance or vegetation removal on any site greater than ~~2.0~~
6 acres or equal to 1.0 acre. Construction sites will be inspected periodically for
7 compliance with submitted SWPPPs.

8 BE IT FURTHER RESOLVED that the Drainage Criteria Manual, adopted by the
9 City Council on February 22, 2002 by Resolution No. A-80038, be and the same is hereby amended
10 by adding defined terms to Appendix 1-C, Glossary of Key Terms, as shown on Attachment A which
11 is attached hereto and incorporated herein by reference.

BE IT FURTHER RESOLVED that the Drainage Criteria Manual, adopted by the
City Council on February 22, 2002 by Resolution No. A-80038, be and the same is hereby amended
to add Chapter 10, Flood Design Criteria for New Growth Areas, as shown on Attachment B which
is attached hereto and incorporated herein by reference.

Introduced by:

Approved as to Form & Legality:

City Attorney

Approved this ____ day of _____, 2004:

Mayor